

THE CRANE-FLIES OF NEW YORK: THIRD SUPPLEMENTARY LIST.

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The preliminary list of crane-flies, including the families Tanyderidae, Ptychopteridae, Trichoceridae, Anisopodidae and Tipulidae, totalled 267 species.¹ The first supplementary list² brought this number to 277 species. The second supplementary list³ added five species, bringing the total number to 282. In the accompanying list, 24 additional species are recorded, bringing the total number of species to 306, of which 295 belong to the family Tipulidae. A few of the species recorded at this time were included in the New York list⁴ but the majority have not before been recorded from the State.

The additions to the list of New York crane-flies are as follows:

283 *Tipula angulata* Loew.

Essex County: Foot of Hurricane Mt., June 12, 1927 (C. P. Alexander).

284 *Tipula entomophthorae* Alexander.

Essex County: Wilmington Notch, June 13, 1927 (C. P. Alexander).

285 *Tipula platymera* Walker (= *labradorica* Alexander).

Essex County: Mt. Skylight, 4800-4920 feet, July 22, 1920.

286 *Tipula septentrionalis* Loew.

Warren County: Warrensburg, June 11, 1927 (C. P. Alexander).

287 *Limonia (Limonia) hudsonica* Osten Sacken.

Warren County: Warrensburg, June 11, 1927 (C. P. Alexander).

¹ Alexander, C. P. The crane-flies of New York. Part I. Cornell University, Agr. Expt. Sta. Mem. 25: 787-826; 1919.

² Alexander, C. P. The crane-flies of New York: First supplementary list. Bull. Brooklyn Ent. Soc., 17: 58-62; 1922.

³ Alexander, C. P. The crane-flies of New York; Second supplementary list. Bull. Brooklyn Ent. Soc., 19: 57-64; 1924.

⁴ Leonard, M. D. A list of the insects of New York. Cornell University, Agr. Expt. Sta. Mem. 101: 688-701; 1928.

- 288 *Limonia (Limonia) novae-angliae* Alexander.
Orange County: Tuxedo Park, August 27-28, 1928 (F. W. Edwards).
- 289 *Limonia (Dicranomyia) profunda* Alexander.
Fulton County: Sphagnum bog, near Canada Lake, 1700 feet, June 25, 1928 (C. P. Alexander).
- 290 *Limonia (Dicranomyia) sphagnicola* Alexander.
Fulton County: Gloversville, 900 feet, June 24, 1916, June 27, 1928 (C. P. Alexander).
- 291 *Limonia (Dicranomyia) uliginosa* sp. n.
Hamilton County: Lake Pleasant, 1750 feet, in sphagnum bog, June 18-20, 1926 (C. P. Alexander).
- 292 *Dicranoptycha elsa* sp. n.
Cattaraugus County: Tunesassa, August 19, 1926 (W. P. Alexander).
- 293 *Dicranota currani* Alexander.
Essex County: Keene Valley, May 26, 1920 (H. Notman).
- 294 *Limnophila harperi* Alexander.
Essex County: Summit of Hurricane Mt., June 12, 1927 (C. P. Alexander).

This interesting crane-fly was described from Alberta and its occurrence in New York is of exceptional interest. The flies were found on the western side of the mountain, close to the summit, where there are low cliffs continually moist with dripping water. They rest on these exposures, quite in the manner of *Dactylolabis montana*. Several pairs were in copula, resting end-to-end on the vertical rock faces, the wings of both sexes outspread. Detached males are very active.

- 295 *Limnophila (Ephelia) solstitialis* Alexander.
Chenango County: Lower Cincinnatus, July 21, 1916 (C. P. Alexander).
Cortland County: Taylor, July 20, 1916 (C. P. Alexander).
Fulton County: Mountain Lake, 1550 feet, June 15-July 7, 1914 (C. P. Alexander).
Hamilton County: Wells, July 29 (D. B. Young).
- 296 *Limnophila (Phylidorea) auripennis* Alexander.
Essex County: Keene Valley, August 20, 1920 (H. Notman).
Rensselaer County: Brookview, June, 1923 (C. P. Alexander).

- Tompkins County: Fall Creek, Ithaca, May 29, 1916 (C. P. Alexander).
- 297 *Limnophila (Phylidorea) caudifera* Alexander.
Hamilton County: Lake Pleasant, 1750 feet, June 17-21, 1926 (C. P. Alexander).
- 298 *Limnophila (Phylidorea) fumidicosta* Alexander.
Tompkins County: Bools Backwater, Ithaca, June 13, 1917 (C. P. Alexander).
- 299 *Limnophila (Phylidorea) luteola* Alexander.
Hamilton County: Lake Pleasant, 1800 feet, in *Iris* swamp, June 18-21, 1926 (C. P. Alexander).
- 300 *Limnophila (Phylidorea) neadusta* Alexander.
Essex County: Keene Valley, July 14, 1920 (H. Notman).
- 301 *Limnophila (Phylidorea) platyphallus* Alexander.
Fulton County: Masten's Woods, Gloversville, 900 feet, June 12, 1926 (C. P. Alexander).
Hamilton County: Lake Pleasant, 1700 feet, June 17-20, 1926 (C. P. Alexander).
- 302 *Gonomyia (Gonomyia) bidentata* Alexander.
Fulton County: Sacandaga Park, August 28, 1925 (C. P. Alexander); Masten's Woods, Gloversville, 900 feet, August 31, 1925 (C. P. Alexander).
Essex County: Ausable Chasm, August 15, 1925 (G. C. Crampton).
- 303 *Gonomyia (Gonomyia) currani* Alexander.
Rensselaer County: Brookview, June 25, 1923 (C. P. Alexander).
- The wings are more strongly suffused with yellow, with an evident stigma, and there are slight differences in the structure of the apex of the aedeagus, but still insufficient to separate the present material from typical *currani*.
- 304 *Erioptera (Erioptera) ebenina* Alexander.
Fulton County: Masten's Woods, Gloversville, 900 feet, June 16, 1924 (C. P. Alexander); same locality, June 27, 1928 (C. P. Alexander).
- 305 *Ormosia ithacana* sp. n.
Tompkins County: Ithaca, April 26-May 5, 1913 (C. P. Alexander).
- 306 *Ormosia luteola* Dietz.
Fulton County: Masten's Woods, Gloversville, 900 feet, August 31-September 1, 1925 (C. P. Alexander).